

1112

NPDES PII Small MS4 General Permit Annual Report

Municipality/Organization: Town of Fairhaven

EPA NPDES Permit Number: MAR041112

MaDEP Transmittal Number: W- 035717

Annual Report Number

& Reporting Period: No. 4: April 10, 2007

Part I. General Information

Contact Person: John Charbonneau


Title: Highway Superintendent

Telephone #: 508-979-4031

Email: jcharbonneau@fairhaven-ma.gov

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Printed Name: John Charbonneau

Title: Highway Superintendent

Date: April 10, 2007

The following BMP's were instituted in order to comply with the NPDES Phase II

Stormwater Management Plan

BMP 1-1 / 1-2: Measurable Goal – Develop article or Brochure and make available at Town Public Buildings with assistance from Buzzards Bay Project.

Brochure's outlining the importance of Stormwater Management is available at the Board of Public Works, Town Hall, Library, and Post Office. (Ongoing)

BMP 1-3: Measurable Goal – Display Stormwater message on the local cable television station.

A Stormwater tip of the week is being displayed on the local cable television station. (Ongoing)

BMP 1-4: Measurable Goal – Discuss Stormwater issues at Board of Public Works meetings.

Stormwater issues are regular topics at Board of Public Works meetings and will be ongoing.

BMP 1-5: Measurable Goal – Educate dog owners about picking up dog waste by developing and distributing a fact sheet.

A pet waste fact sheet was developed and is distributed to pet owners when dog licenses are issued. (Ongoing)

BMP 1-6: Measurable Goal – Contact the School Department to schedule a presentation regarding the importance of Stormwater.

A video entitled "After the Storm" which was co-produced by the EPA and the weather channel was shown to the Science Class in the Hastings Middle School in May, 2006.

BMP 1-7: Sign postings in public water supply areas. Measurable Goal – number of signs installed and inspected.

Water Supply Area signs were installed on Mill Road just north of Shady Drive and on Route 6 at the Nasketucket River, and New Boston Road.

BMP 1-8: Measurable Goal – Household hazardous waste day held.

Household Hazardous Waste day was held on Saturday, September 23, 2006.

BMP 1-9: Household paint drop off facility. Measurable Goal – Notify residents of days of operation and advertise on local cable television. Paint cans were collected at the Hazardous Waste day due to the fact the paint shed was not funded at Town Meeting for 2006 – 2007.

Town Meeting did not support the running of the Paint Shed program this fiscal year. If Town Meeting Supports Hazardous Waste day for 2007 – 2008 then, residents will be notified and the paint can be collected at that time.

BMP 1-10: Develop Ad Hoc Committee. Measurable Goal – number of meetings.

Ongoing

BMP 2-1: Comply with state public notification guidelines at MGL Chapter 39 Section 23b.
Measurable Goal – Notices as currently announced.

Meetings of every Town Board / Commission regarding Stormwater and other issues are advertised in the local paper and on local cable television.

BMP 2-2: Stencil Storm Drains. Measurable Goal – Number of Basins Stenciled.

All Basins were stenciled in the second permit year. They will again be stenciled in the spring of 2007 permit year utilizing some help from the local Boy Scout troop.

BMP 2-3: Annual Beach Cleanup Day. Measurable Goal – Beach Cleanup day held.

Numerous Beach Cleanup days were held throughout 2006 with the Coalition for Buzzards Bay. Every third Wednesday of the month a Beach Cleanup was performed from May through October. There were several shoreline cleanups by Nye's Oil Company employees at their Howland Road complex. In all cleanups, the Highway Department supplied and picked up dumpsters, and provided manpower for trash bag pickup. The Town also tested a beach comber, provided by the City of New Bedford, to clean the West Island Town beach.

BMP 3-1: Develop illicit discharge ordinance. Measurable Goal – Develop ordinance and seek Town Meeting approval.

Will be presented for approval at town meeting May 2007

BMP 3-2: Conduct dry weather outfall screening. Measurable Goal – Prioritize and sample 14 outfall locations.

Dry weather outfall screening was performed on August 17, 2005 at fourteen locations. Of the fourteen outfalls, eleven were found to have no flow. Three of the outfall locations did have flow and were sampled and tested for PH and Fecal count. The PH of the three samples ranged between 6.4 and 6.8. The Fecal count on two locations ranged from 12c/100ml and 30c/100ml. One sample at the outfall near the Pease Park boat ramp came back with a result to numerous to count. This location will be re-sampled during the summer of 2007 to verify the results.

BMP 3-3 Map the storm water collection system. Measurable Goal – Complete map of all outfalls and catch basins.

The mapping of the Stormwater collection system is now substantially completed. All catch basins and outfalls have been mapped and drainage pipes (sizes and types), have been mapped. The format is in Photoshop. We have also obtained a GIS version of the Stormwater collection system from the Buzzards Bay Coalition through a mini grant.

BMP 3-4: Develop and implement plan to identify non storm water discharges to the MS4. Measurable Goal – Number of illicit connections found and removed.

One illicit connection was found during our annual Catch Basin cleaning program. House # 11 Weeden Place was found discharging laundry water into a catch basin in front of the property. The board of Health sent a registered letter to the homeowner and the pipe was redirected into their septic system.

BMP 4-1 Amend existing Town Subdivision / zoning regulations to require an erosion and sediment control plan for all construction sites greater than 1 acre. Measurable Goal – Amendment developed.

The town has yet to adopt the amended Subdivision / Zoning regulations. The regulations will be presented to town meeting for approval in May of 2007.

BMP 4-3 Consideration of public input. Measurable Goal – Per Massachusetts General Law notification requirements, hold public hearings with opportunity for the general public as well as abutters to review and comment.

Ongoing

BMP 5-1 Determine necessity of Storm Water BMP reference manual. Measurable Goal – Complete review of existing Storm Water regulations and determine necessity of Storm Water reference manual; select BMP reference manual.

Ongoing

BMP 5-2 Ensure long term maintenance of town playing fields and structural BMP's. Measurable Goal – Continue maintenance of town playing fields and structural BMP's.

The maintenance of Town playing fields is an on - going practice. Developers are required to submit for review a description of all new BMP's along with a 20 year maintenance fee of the proposed project.

BMP 5-3 Evaluate existing structural BMP's for efficiency. Measurable Goal – Create BMP inventory.

An inventory of Structural BMP's complete. A maintenance plan is on – going as catch basins are repaired as needed, and drainage swales / ditches are cleaned annually.

BMP 5-4 Review site plans for storm water impacts. Measurable Goal – number of site plans reviewed.

On going

BMP 6-1 Identify sensitive receptors within the Town. Measurable Goal – List of Sensitive receptors developed, staff notified.

A list of seven sensitive receptors has been identified and employees have been notified to report any unusual circumstances or obvious signs of pollution.

1. Town Beach
2. Nasketucket Bay
3. Nasketucket River Basin
4. Acushnet River
5. Buzzards Bay
6. Winsagansett Salt Marsh
7. Tidal Pond off Potter Street

BMP 6-2 Street Sweeping. Measurable Goal – Percent of streets swept annually, volume of residuals collected.

The Town roads are swept in the spring and the fall, (more often if necessary). Records are kept of streets swept and volume of residuals collected.

BMP 6-3 Roadway De-icing. Measurable Goal – Alternative deicers evaluated; sand / deicer compound mixture modified if necessary; calibration records maintained; record amount of deicers used.

The deicers and compound mixtures the Town currently uses are proving to be beneficial. For the first time during the winter of 2005 - 2006, the Town switched from calcium chloride to Ice Ban for on board pre-wetting of sand salt mixture on the three sanders. Ice Ban is a blend of brewer's condensed solubles, a very powerful naturally occurring, environmentally friendly de-icing agent. Calibration of spreaders is done each time the sanding crew gets called out. Calibration records and amounts of deicers are recorded each year.

BMP 6-4 Snow Disposal. Measurable Goal – List of snow disposal sites selected.

Four disposal locations have been designated (if necessary), for snow:

The Standard Times field off of Bridge Street, the Landfill off of Bridge Street, the Town Recycle area at the end of Arsene Street, and at the Long Road facility.

BMP 6-5 Minimize impacts from hazardous materials associated with vehicle maintenance.

Measurable Goal – Volume of material removed from the catch basin located within the containment area.

The containment area catch basin was cleaned once this year, and the residuals were delivered to the Crapo Hill Landfill in New Bedford.

BMP 6-6 Minimize impacts from hazardous materials associated with vehicle maintenance.

Measurable Goal – Amount of hazardous materials used; amount of waste materials hauled from our garage by licensed hazardous waste hauler.

All waste oil and anti freeze continues to be removed by a licensed hauler. Inventories of materials removed are recorded and filed. All batteries are brought to A.W. Martin for proper disposal.

BMP 6-7 Storm Drain maintenance. Measurable Goal – Number of catch basins cleaned annually; volume of residuals collected annually; number of storm drains jet rodded annually.

A total of 1807 catch basins are cleaned annually and volumes collected and recorded and filed. An ongoing list of drainage pipes that were jet rodded in the past year was maintained on file at the Highway Department.

BMP 6-8 Tree planting and maintenance. Measurable Goal – Number of trees planted per year.

The Tree Department along with help from the Highway Department, plants between 40 and 50 trees annually.

BMP 6-9 Illegal dumping control. Measurable Goal – Number of signs posted; number of sites cleaned up.

Nine problem dumping areas have been identified and these areas are continually monitored and cleaned as necessary. A list is on file at the Highway Department. One “No Dumping” sign was installed at the Lambeth Park cul de sac.

BMP 6-10 Spill prevention and response plan for the Board of Public Works. Measurable Goal – Train employees.

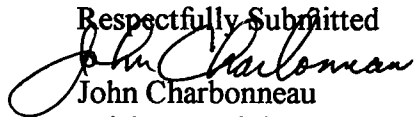
A Spill Prevention / Response Plan was developed four years ago and is updated annually as necessary. The employees have been instructed as to the location of the spill kit and emergency phone numbers are posted near the garage telephone.

BMP 6-11 Residual materials disposal. Measurable Goal – Continue to haul to Crapo Hill Landfill in New Bedford.

All street sweepings and catch basin cleaning residuals are delivered to the Crapo Hill Landfill in New Bedford for disposal.

The Town of Fairhaven is committed to preserving clean water and a safe environment for all citizens. We hope the following BMP practices go a long way into achieving the long term goals of a cleaner and safer living space.

Respectfully Submitted


John Charbonneau
Fairhaven Highway Superintendent

Part V. Program Outputs & Accomplishments

Programmatic

Stormwater management position created:	Yes / using in house personnel
Annual program budget / expenditures:	\$500.00 / Printing flyers and dog fact sheets. Purchasing and installing water supply signs.
Total program expenditures since beginning: of permit coverage.	\$2000.00
Funding mechanism:	Highway department budget.

Education, Involvement, and Training

Estimated number of property owners reached: by education programs	75% / through cable TV announcements, Stormwater handouts school video presentations, pet fact sheets.
Stormwater committee established:	Yes
Stream teams established or supported:	Supported
Shoreline clean-up / quantity of shoreline: miles cleaned.	Yes / The Coalition for Buzzards bay held a shoreline cleanup every third Wednesday of the month from May through October. The Highway Department supplied and picked up dumpsters and provided manpower for trash bag pickup. There were also several monthly shoreline clean-ups performed by employees of Nye's Oil Company at their Howland Road facility. Approximately 10 miles of Fairhavens' shorelines have been cleaned. The Coalition of Buzzards Bay is working to expand the shoreline cleanup program in the coming year.

Shoreline cleaned since beginning of:
permit coverage.

Approximately 40 miles of shoreline
cleaned.

Household Hazardous Waste Collection days:

- * days sponsored
- * community participation
- * material collected

One day.
75%
7 Tons

School curricula implemented:

Yes

Legal / Regulatory

Regulatory Mechanism Status

- * Illicit Discharge Detection and Elimination:
- * Erosion & Sediment Control:
- * Post-Development Stormwater Management:

In place prior to Phase II
In place prior to Phase II
Draft being presented at May
town meeting.

Accompanying Regulation Status

- * Illicit Discharge Detection and Elimination:
- * Erosion & Sediment Control:
- * Post-Development Stormwater Management:

In place prior to Phase II
In place prior to Phase II
Draft being presented at May
town meeting.

Mapping and Illicit Discharges

Outfall mapping complete:

100%

Actual # of outfalls:

60 Known

System-wide mapping complete:

99%

Mapping methods

* Paper /Mylar:

100%

* CADD:

20%

* GIS:

100%

Outfalls inspected / screened:

14

Outfalls inspected / screened since beginning:
of permit coverage

14

Illicit discharges identified:

1

Illicit discharges identified since beginning:
of permit coverage

11

Illicit connections removed:

1

Illicit connections removed since beginning:
Of permit coverage

11

% of Population on sewer:

75%

% of Population on septic systems:

25%

Operations and Maintenance

Average frequency of catch basin cleaning: Non-commercial / non arterial streets.	Once yearly
Average frequency of catch basin cleaning: Commercial / arterial or other critical streets.	Once yearly
Quantity of structures cleaned:	1807
Quantity of storm drain cleaned:	9190 LF
Quantity of screenings / debris removed: From storm sewer infrastructure.	513 Tons
Disposal or use of screenings:	Crapo Hill Landfill in New Bedford.
Basin Cleaning Costs	
* Annual Budget:	Done in House
* Disposal Cost:	Cost of fuel to transport to New Bedford landfill.
Cleaning Equipment	
* Clam shell trucks owned:	One
* Vacuum trucks owned / leased:	None
* Vacuum trucks specified in contracts:	No
* % of structures cleaned with clam shell:	100%
Average frequency of street sweeping: non-commercial/ non arterial streets.	2 to 3 times per year
Average frequency of street sweeping: commercial / arterial or other critical streets	2 to 3 times per year
Quantity of sand / debris collected by sweeping:	1890 Tons
Disposal of Sweepings:	Crapo Hill Landfill in New Bedford.
Annual Sweeping Costs	
* Annual Budget Expenditure:	Done in house.
* Disposal Cost:	Cost of fuel to transport to New Bedford landfill.
Sweeping Equipment	
* Rotary brush street sweepers:	1 Owned
* Vacuum street sweepers:	None
* Vacuum street sweepers specified in contracts:	None
* % of roads swept with rotary brush sweepers:	100%
* % of roads swept with vacuum sweepers:	0 %
Average Ratio of Anti / De-icing products:	Sand 66% Rock Salt 34%

Liquid Calcium Chloride is no longer used,
Ice Ban is now used which is an environmentally
safer product.

Pre-wetting techniques utilized:	Yes
Manual control spreaders used:	Yes
Zero-velocity spreaders used:	No
% of Salt / chemical piles covered in storage shed:	100%
Storage sheds in design or under construction:	No
100% of salt / chemical piles covered in: storage shed by May 2008	Yes

CATCH BASIN CLEANING

DATE	#OF LOADS	TOTAL RUNNING	#CLEANED	TOTAL TO DATE
			TOTAL	
5-1-02	2 @5.2 CY	10.4 CY	50	50
5-2-02	2 @5.2 CY	20.8 CY	38	88
5-13-02	1 @5.2 CY	26.0 CY	17	105
5-14-02	1 @5.2 CY	31.2 CY	53	158
5-29-02	1 @5.2 CY	36.4 CY	52	210
6-6-02	2 @5.2 CY	46.8 CY	34	244
6-7-02	2 @5.2 CY	57.2 CY	50	294
6-14-02	2 @5.2 CY	67.6 CY	49	343
8-12-02	2 @5.2 CY	78.0 CY	48	391
8-19-02	1 @5.2 CY	83.2 CY	39	430
8-20-02	½ @5.2 CY	85.8 CY	25	455
9-16-02	2 @5.2 CY	96.2 CY	50	505
9-17-02	2 @5.2 CY	106.6 CY	41	546
9-23-02	2 @5.2 CY	10.4 CY	44	590
9-27-02	½ @5.2 CY	20.8 CY	16	606
10-7-02	2 @5.2 CY	31.0 CY	37	643
10-16-02	1 @5.2 CY	36.2 CY	13	656
10-17-02	2 @5.2 CY	46.6 CY	40	696
10-28-02	2 @5.2 CY	57.0 CY	40	736
11-4-02	2 @5.2 CY	67.4 CY	44	780
11-14-02	2 @5.2 CY	77.8 CY	48	828
11-22-02	2 @5.2 CY	88.2 CY	38	866
11-25-02	2 @5.2 CY	98.6 CY	49	915
12-04-02	2 @5.2 CY	109.0 CY	4	919
12-16-02	1 @5.2 CY	119.4 CY	9	928
12-17-02	1 @5.2 CY	129.8 CY	32	960
12-30-02	2 @5.2 CY	140.2 CY	30	990

start route

1-9-03	3 @5.2 CY	15.6 CY	36	36
1-10-03	2 @5.2 CY	26.0 CY	37	73
1-15-03	2 1/2 @5.2 CY	39 CY	25	98
1-16-03	2 @5.2 CY	49.4 CY	33	131
1-29-03	1 @5.2 CY	54.6 CY	27	158
1-31-03	1 @5.2 CY	59.8 CY	32	190
2-3-03	½ @ 5.2 CY	62.4 CY	27	217
2-4-03	½ @ 5.2 CY	65.0 CY	30	247
2-5-03	1 @ 5.2 CY	70.2 CY	49	296
2-6-03	2 @ 5.2 CY	80.6 CY	31	327
3-5-03	2 @ 5.2 CY	91.0 CY	28	355

3-12-03	1@ 5.2 CY	96.2 CY	21	376
3/13/03	2@ 5.2 CY	106.6 CY	38	414
3/17/03	2@ 5.2 CY	117.0 CY	35	449
3/21/03	2@ 5.2 CY	127.4 CY	38	487
3/24/03	2@ 5.2 CY	137.8 CY	37	524
3/25/03	2@ 5.2 CY	148.2 CY	47	571
3/26/03	2@ 5.2 CY	158.6 CY	47	618
3/31/03	2@ 5.2 CY	169.0 CY	53	671
4/1/03	2@ 5.2 CY	179.4 CY	20	691
4/2/03	2@ 5.2 CY	189.8 CY	50	741
4/7/03	1@ 5.2 CY	195.0 CY	14	755
4/14/03	2@ 5.2 CY	205.4 CY	46	801
5/9/03	2@ 5.2 CY	215.8 CY	32	833
8/1/03	2.5@ 5.2 CY	217.1 CY	02	835
8/5/03	1 @ 5.2 CY	222.3 CY	17	852
9/16/03	2 @ 5.2 CY	232.7 CY	53	905
10/22/03	2.5@ 5.2CY	245.7 CY	52	957
11/20/03	2 @ 5.2 CY	256.1 CY	19	976
12/15/03	2@ 5.2 CY	266.5 CY	33	1009
12/16/03	2 @ 5.2 CY	276.9 CY	35	1044
12/18/03	1 @ 5.2 CY	282.1 CY	10	1054
12/29/03	2 @ 5.2 CY	292.5 CY	32	1086
12/30/03	3 @ 5.2 CY	308.1 CY	37	1123
1/5/04	1 @ 5.2 CY	313.3 CY	21	1144
1/6/04	3 @ 5.2 CY	328.9 CY	24	1168
1/8/04	2 @ 5.2 CY	339.3 CY	48	1216
2/10/04	2 @ 5.2 CY	349.7 CY	47	1263
2/11/04	1 @ 5.2 CY	354.9 CY	20	1283
2/12/04	2 @ 5.2 CY	365.3 CY	44	1327
2/13/04	2 @ 5.2 CY	375.7 CY	15	1342
2/17/04	1 @ 5.2 CY	380.9 CY	29	1371
2/23/04	3.5@ 5.2 CY	399.1 CY	35	1406
2/24/04	3 @ 5.2 CY	414.7 CY	36	1442
2/25/04	4 @ 5.2 CY	435.5 CY	36	1478
2/27/04	1.5 @ 5.2 CY	443.3 CY	21	1499
3/1/04	3 @ 5.2 CY	458.9 CY	47	1546
3/4/04	3 @ 5.2 CY	474.5 CY	20	1566
3/5/04	2 @ 5.2 CY	484.9 CY	20	1586
3/8/04	3 @ 5.2 CY	500.5 CY	43	1629
3/9/04	1.5 @ 5.2 CY	508.3 CY	39	1668
3/10/04	2 @ 5.2 CY	518.7 CY	27	1695
3/11/04	4 @ 5.2 CY	539.5 CY	36	1731
3/12/04	4 @ 5.2 CY	560.3 CY	40	1771 DONE
<u>start route</u>				
3/15/04	3 @ 5.2 CY	15.6 CY	44	44
3/16/04	3 @ 5.2 CY	31.2 CY	36	80

3/22/04	2 @ 5.2 CY	41.6 CY	24	104
3/23/04	2 @ 5.2 CY	52.0 CY	42	146
3/25/04	2.5 @ 5.2 CY	65.0 CY	45	191
3/26/04	1.5 @ 5.2 CY	72.8 CY	26	217
3/29/04	2.5 @ 5.2 CY	83.2 CY	46	263
3/30/04	3 @ 5.2 CY	98.8 CY	44	307
3/31/04	3 @ 5.2 CY	114.4 CY	46	355
4/2/04	2 @ 5.2 CY	124.8 CY	46	401
4/5/04	3 @ 5.2 CY	140.4 CY	50	451
4/15/04	2 @ 5.2 CY	150.8 CY	20	471
4/27/04	3 @ 5.2 CY	166.4 CY	40	511
5/3/04	2 @ 5.2 CY	176.8 CY	15	526
5/12/04	3 @ 5.2 CY	192.4 CY	32	558
5/13/04	2.5 @ 5.2 CY	205.4 CY	56	614
5/18/04	1 @ 5.2 CY	210.6 CY	8	622
5/19/04	2 @ 5.2 CY	221.0 CY	36	658
6/7/04	4 @ 5.2 CY	241.8 CY	25	683
6/23/04	3 @ 5.2 CY	257.4 CY	28	711

RESTART ROUTE

9/14/04	3 @ 5.2 CY	15.6 CY	20	20
9/15/04	4 @ 5.2 CY	20.8 CY	29	49
9/28/04	2 @ 5.2 CY	31.2 CY	25	74
11/24/04	3 @ 5.2 CY	46.8 CY	32	106
12/7/04	2 @ 5.2 CY	57.2 CY	18	124
12/8/04	4 @ 5.2 CY	78.0 CY	44	168
12/9/04	2 @ 5.2 CY	88.4 CY	40	208
12/10/04	1 @ 5.2 CY	93.6 CY	13	221
12/13/04	4 @ 5.2 CY	114.4 CY	42	263
12/14/04	4 @ 5.2 CY	135.2 CY	42	305
12/15/04	6 @ 5.2 CY	166.4 CY	42	347
12/16/04	5 @ 5.2 CY	192.4 CY	50	397
12/17/04	3 @ 5.2 CY	208.0 CY	37	434
12/20/04	2 @ 5.2 CY	218.4 CY	16	450
12/22/04	4 @ 5.2 CY	239.2 CY	45	495
1/3/05	3 @ 5.2 CY	254.8 CY	51	546
1/14/05	2 @ 5.2 CY	265.2 CY	24	570
2/9/05	3 @ 5.2 CY	280.8 CY	31	601
2/11/05	2 @ 5.2 CY	291.2 CY	11	612
2/14/05	4 @ 5.2 CY	312.0 CY	29	641
2/15/05	4 @ 5.2 CY	332.8 CY	36	677
2/16/05	2 @ 5.2 CY	343.2 CY	34	711
2/17/05	2 @ 5.2 CY	368.6 CY	36	747
2/18/05	1 @ 5.2 CY	373.8 CY	20	767
2/22/05	3 @ 5.2 CY	389.4 CY	31	798
2/23/05	3 @ 5.2 CY	405.0 CY	35	833
3/11/05	2 @ 5.2 CY	415.4 CY	43	876
3/14/05	3 @ 5.2 CY	431.0 CY	22	898

3/15/05	4 @ 5.2 CY	451.8 CY	29	927
3/16/05	3 @ 5.2 CY	467.4 CY	30	957
3/18/05	3 @ 5.2 CY	483.0 CY	21	978
3/21/05	3 @ 5.2 CY	498.6 CY	40	1018
3/22/05	2 @ 5.2 CY	509.0 CY	25	1043
3/23/05	1 @ 5.2 CY	514.2 CY	12	1055
3/24/05	2 @ 5.2 CY	524.6 CY	20	1075
3/29/05	1.5 @ 5.2 CY	532.4 CY	18	1093
3/30/05	2 @ 5.2 CY	542.8 CY	26	1119
3/31/05	3 @ 5.2 CY	558.4 CY	26	1145
4/1/05	3 @ 5.2 CY	574.0 CY	33	1178
4/4/05	2 @ 5.2 CY	584.4 CY	33	1211
4/5/05	2 @ 5.2 CY	594.8 CY	30	1241
4/6/05	2 @ 5.2 CY	605.2 CY	28	1269
4/7/05	2 @ 5.2 CY	615.6 CY	8	1277
4/8/05	3 @ 5.2 CY	631.2 CY	19	1296
4/11/05	2 @ 5.2 CY	641.6 CY	17	1313
4/12/05	4 @ 5.2 CY	662.4 CY	19	1332
4/13/05	4 @ 5.2 CY	683.2 CY	18	1350
4/14/05	2 @ 5.2 CY	693.6 CY	47	1397
4/19/05	2 @ 5.2 CY	704.0 CY	41	1438
4/20/05	3 @ 5.2 CY	719.6 CY	37	1475
4/21/05	3 @ 5.2 CY	735.2 CY	38	1513
4/22/05	2 @ 5.2 CY	745.6 CY	41	1554
4/25/05	2 @ 5.2 CY	756.0 CY	16	1570
4/27/05	1 @ 5.2 CY	761.2 CY	12	1582
4/28/05	2 @ 5.2 CY	771.6 CY	31	1613
4/29/05	2 @ 5.2 CY	782.0 CY	19	1632
5/2/05	1 @ 5.2 CY	787.2 CY	9	1641
5/3/05	3 @ 5.2 CY	802.8 CY	39	1680
5/6/05	2 @ 5.2 CY	813.2 CY	36	1716 DONE

START ROUTE

10/13/05	1 @ 5.2 CY	5.2 CY	4	4
10/14/05	2.5 @ 5.2 CY	18.2 CY	12	16
10/24/05	1 @ 5.2 CY	23.4 CY	12	28
10/25/05	1 @ 5.2 CY	28.6 CY	4	32
10/26/05	1 @ 5.2 CY	33.8 CY	9	41
10/27/05	1 @ 5.2 CY	39.0 CY	5	46
11/17/05	3 @ 5.2 CY	54.6 CY	29	75
11/18/05	1 @ 5.2 CY	59.8 CY	13	88
12/1/05	3 @ 5.2 CY	75.4 CY	24	112
12/2/05	3 @ 5.2 CY	91.0 CY	25	137
12/7/05	2 @ 5.2 CY	101.4 CY	23	150
12/8/05	2 @ 5.2 CY	111.8 CY	37	187
12/12/05	4 @ 5.2 CY	132.6 CY	20	207
12/13/05	2 @ 5.2 CY	143.0 CY	44	251

12/22/05	2.5 @ 5.2 CY	156.0 CY	29	280
12/27/05	3 @ 5.2 CY	171.6 CY	39	319
12/28/05	3 @ 5.2 CY	187.2 CY	29	348
12/29/05	4.5 @ 5.2 CY	210.6 CY	35	383
12/30/05	2 @ 5.2 CY	221.0 CY	10	393
1/4/06	2 @ 5.2 CY	231.4 CY	23	416
1/5/06	3 @ 5.2 CY	247.0 CY	30	446
1/6/06	2 @ 5.2 CY	257.4 CY	36	482
1/9/06	3 @ 5.2 CY	273.0 CY	26	508
1/10/06	3 @ 5.2 CY	283.4 CY	29	537
1/11/06	2 @ 5.2 CY	293.8 CY	14	551
1/12/06	3 @ 5.2 CY	309.4 CY	25	576
1/13/06	2 @ 5.2 CY	319.8 CY	33	609
1/17/06	2 @ 5.2 CY	330.2 CY	27	636
1/18/06	3 @ 5.2 CY	345.8 CY	24	660
1/19/06	2 @ 5.2 CY	356.2 CY	37	697
1/20/06	2 @ 5.2 CY	366.6 CY	31	728
1/23/06	1 @ 5.2 CY	371.8 CY	8	736
1/24/06	2 @ 5.2 CY	382.2 CY	32	768
1/25/06	3 @ 5.2 CY	397.8 CY	29	797
1/27/06	4 @ 5.2 CY	418.6 CY	23	820
1/30/06	2 @ 5.2 CY	429.0 CY	30	850
1/31/06	1 @ 5.2 CY	434.2 CY	12	862
2/1/06	2 @ 5.2 CY	444.6 CY	31	893
2/2/06	2 @ 5.2 CY	455.0 CY	22	915
2/6/06	2 @ 5.2 CY	465.4 CY	33	948
2/7/06	2 @ 5.2 CY	475.6 CY	31	979
2/8/06	3 @ 5.2 CY	491.2 CY	20	999
2/9/06	2.5 @ 5.2 CY	504.2 CY	18	1017
2/15/06	1 @ 5.2 CY	509.4 CY	12	1029
2/16/06	2 @ 5.2 CY	519.4 CY	25	1054
2/17/06	2 @ 5.2 CY	529.8 CY	10	1064
2/21/06	4 @ 5.2 CY	550.6 CY	20	1084
2/22/06	3 @ 5.2 CY	566.2 CY	21	1105
2/24/06	1 @ 5.2 CY	571.4 CY	8	1113
2/28/06	4 @ 5.2 CY	592.2 CY	20	1133
3/1/06	4 @ 5.2 CY	613.0 CY	22	1155
3/2/06	1 @ 5.2 CY	618.2 CY	16	1171
3/3/06 thru 3/24/06	14 @ 5.2 CY	691.0 CY	170	1341
3/30/06	2 @ 5.2 CY	701.4 CY	22	1363
3/31/06	3 @ 5.2 CY	747.0 CY	27	1390
4/4/06	2 @ 5.2 CY	757.4 CY	27	1417
4/5/06	2 @ 5.2 CY	767.8 CY	32	1449
4/10/06	2 @ 5.2 CY	778.2 CY	45	1494
4/11/06	2 @ 5.2 CY	788.6 CY	38	1532
4/14/06	1 @ 5.2 CY	793.8 CY	8	1540
4/18/06	2 @ 5.2 CY	804.2 CY	36	1576
4/19/06	3 @ 5.2 CY	819.8 CY	18	1594

4/20/06	2 @ 5.2 CY	830.2 CY	18	1612
4/21/06	1 @ 5.2 CY	835.4 CY	15	1627
4/24/06	2.5 @ 5.2 CY	848.4 CY	48	1675
4/25/06	2 @ 5.2 CY	858.8 CY	35	1710
4/26/06	3 @ 5.2 CY	874.4 CY	21	1732
4/27/06	2 @ 5.2 CY	884.8 CY	29	1761
5/1/06	3 @ 5.2 CY	900.4 CY	17	1778
5/2/06	3 @ 5.2 CY	916.0 CY	21	1799
5/8/06	1.5 @ 5.2 CY	923.8 CY	8	1807
DONE 5/8/06				

RESTART ROUTE

6/29/06	2 @ 5.2 CY	10.4 CY	26	26
10/23/06	3 @ 5.2 CY	26.0 CY	24	50
10/24/06	1 @ 5.2 CY	31.2 CY	30	80
10/25/06	2 @ 5.2 CY	41.6 CY	33	113
10/26/06	2 @ 5.2 CY	52.0 CY	39	152
10/27/06	2 @ 5.2 CY	62.4 CY	40	192
10/31/06	3 @ 5.2 CY	78.0 CY	57	249
11/1/06	2 @ 5.2 CY	88.4 CY	53	302
11/2/06	1 @ 5.2 CY	93.6 CY	15	317
11/3/06	3 @ 5.2 CY	109.2 CY	54	371
11/15/06	2.5 @ 5.2 CY	134.2 CY	30	401
11/16/06	2 @ 5.2 CY	144.6 CY	18	419
11/29/06	2 @ 5.2 CY	155.0 CY	28	447
12/4/06	2 @ 5.2 CY	165.4 CY	29	476
12/8/06	2 @ 5.2 CY	175.4 CY	19	495
12/13/06	2.5 @ 5.2 CY	182.9 CY	34	529
12/27/06	2 @ 5.2 CY	193.3 CY	49	578
12/28/06	1 @ 5.2 CY	198.5 CY	19	597
1/16/07	2 @ 5.2 CY	208.9 CY	33	630
1/17/07	2 @ 5.2 CY	219.3 CY	21	651
1/18/07	2 @ 5.2 CY	229.7 CY	33	684
1/19/07	2 @ 5.2 CY	240.1 CY	35	719
1/22/07	3 @ 5.2 CY	255.7 CY	30	749
1/23/07	3 @ 5.2 CY	271.3 CY	32	781
1/24/07	2 @ 5.2 CY	281.7 CY	40	821
1/29/07	2 @ 5.2 CY	292.1 CY	30	851
1/30/07	2 @ 5.2 CY	302.5 CY	26	877
1/31/07	2.5 @ 5.2 CY	315.5 CY	32	909
2/1/07	2 @ 5.2 CY	325.9 CY	30	939
2/6/07	2 @ 5.2 CY	336.3 CY	32	971
2/7/07	2 @ 5.2 CY	346.7 CY	41	1012
2/8/07	2 @ 5.2 CY	257.1 CY	34	1046
2/9/07	2 @ 5.2 CY	267.5 CY	30	1076

2/12/07	3 @ 5.2 CY	283.1 CY	29	1105
2/13/07	1 @ 5.2 CY	288.3 CY	10	1115
2/23/07	3 @ 5.2 CY	303.9 CY	32	1147
2/28/07	3 @ 5.2 CY	319.5 CY	31	1178
3/1/07	3 @ 5.2 CY	335.1 CY	33	1211
3/2/07	2 @ 5.2 CY	345.5 CY	25	1236
3/5/07	2.5 @ 5.2 CY	358.5 CY	23	1259
3/6/07	3 @ 5.2 CY	374.1 CY	24	1283
3/7/07	2 @ 5.2 CY	384.5 CY	25	1308
3/8/07	3 @ 5.2 CY	394.9 CY	34	1342
3/9/07	2 @ 5.2 CY	405.3 CY	27	1369
3/12/07	3 @ 5.2 CY	420.9 CY	32	1401
3/13/07	3 @ 5.2 CY	436.5 CY	33	1434
3/15/07	2 @ 5.2 CY	446.9 CY	34	1468
3/16/07	2 @ 5.2 CY	457.3 CY	28	1496
3/19/07	3 @ 5.2 CY	472.9 CY	35	1531
3/20/07	3 @ 5.2 CY	488.5 CY	43	1574
3/21/07	3 @ 5.2 CY	504.1 CY	43	1617
3/28/07	2 @ 5.2 CY	514.5 CY	40	1657
3/29/07	2 @ 5.2 CY	524.9 CY	36	1693

Illicit Connections

1. 98 Long Road – Tied laundry into catch basin. Board of health was notified on 10/10/03 AND 3/9/04. Checked on 3/31/04 still tied in- dug and plugged on 4/28/04.
2. 26 and 27 Sedgewick Street – tied in laundry to catch basin – board of health notified on 2/27/02 and pipe was blocked off.
3. 700 Sconticut Neck Road – tied into basin with laundry discharge. Pipe taken out of basin – board of health notified, letter sent to homeowner from Pat Fowle.
4. 274 Sconticut Neck Road – discharging laundry into the street. Homeowner notified by board of health on 2/16/01 and discharging was halted.
5. 17 Weeden Place – Tied laundry into basin – board of health notified 3/30/04. homeowner redirected pipe into septic system 5/3/04
6. 29 Hacker Street – Letter sent to the board of health 3/31/04.
7. 29 Brae Road – Tied laundry into basin – letter sent to board of health 4/1/04
8. 7 Andrews avenue – discharging laundry water into field, letter sent and discharge directed to sewer.
9. # 151 Sconticut Neck Rd laundry water being discharged into field, letter sent and discharge was directed into sewer.
10. # 159 Wayne Street laundry discharge into sewer now. House on Sconticut Neck Road.
11. #11 Weeden Place – laundry was being discharged directly into catch basin. Homeowner was notified by the board of health on 3/26/07 and was redirected to the septic system.

JET RODDING- COMPLETED

BPW GARAGE FLOOR DRAIN (done end of 2002)

**DEAN AND SYCAMORE STREET CLAY PIPE AT BOTTOM OF BASIN PIPE
HEADING NORTH – MAY NEED TO BE PUMPED OUT TO SEE THE PIPE (done
end of 2002)**

**360 / 362 NEW BOSTON ROAD PIPE RUNNING UNDER DRIVEWAY APRON
BLOCKED (done end of 2002)**

CHURCH AND LAUREL STREET INTERSECTION BASINS (done end of 2002)

UNION AND CHESTNUT INTERSECTION BASINS (done end of 2002)

BASIN OPPOSITE 5 HAMLET ST – EAST SIDE (DONE MARCH 2003)

**MIDDLE ST AT COAST GUARD AUX – TRIED TO JET ROD – NO GO – FOUND
TWO DRAIN MANHOLES IN BACK OF JERRY'S GARAGE – LINDBERG
MARINE DROVE SHEET PILES THROUGH PIPE – FAIRHAVEN EXCAVATION
HIRED BY TOWN TO REPLACE PIPES – ALL IS FLOWING.(DONE OCTOBER
03)**

**BASIN AT THE INTERSECTION OF COE AND PHEONIX HEADING TOWARD
THE FORT NEEDS TO BE JET RODDED (DONE)**

**CROSS PIPE AT 25 ABBEY JET RODDED – MAY BE BROKEN ON OPPOSITE
SIDE OF STREET (PIPE REPLACED NEW INLINE MANHOLE INSTALLED)**

**CAUSEWAY ROAD AT LIGHT POLE #1001 ATTEMPTED APRIL 2003 NEED TO
FIND END OF PIPE ON BEACH (ATTEMPTED BUT NO GO)**

**CB SOUTHEAST CORNER OF MORTON AND SYCAMORE ST (DONE) NO
BLOCKAGE**

**10" CLAY PIPE ON THE BACKSIDE OF CATCHBASIN ADAMS ST EAST SIDE
BETWEEN CHRISTIAN AND BRIDGE ST IS BROKEN 8' – 10" FROM BASIN
(PIPE REPLACED)**

26 EVERGREEN CHECK DRAIN, HOMEOWNERS PROBLEM...NOT TIED INTO TOWN DRAIN

HILL STREET FROM BLOSSOM STREET TO HAMLET STREET AND HAMLET STREET FROM HILL STREET TO BABBITT STREET **-(ALL JET RODDED AND NOW CLEAR 1/3/04)**

HACKER STREET – DRAIN FROM CASCO WESTERLY **(DONE 4/21/04)**

BAYSIDE AVENUE – NORTH END FROM DRAINAGE DITCH TO OCEAN 12” RCP **(DONE 3/23/04)**

ST JOSEPHS SCHOOL – BASIN FROM PARKING LOT TO CB ON SPRING STREET **(DONE)**

NEW BOSTON ROAD CROSS PIPES UNDER DRIVEWAYS @ HOUSE # 485 AND # 297 **(DONE 4/21/04)**

NEW BOSTON ROAD – CROSS PIPE AT DRIVEWAY CROSSING HOUSE # 485 **(DONE 1/5/04)**

ST JOSEPHS SCHOOL – JET ROD FROM BASIN AT THE CORNER OF SPRING AND HOMESTEAD TOWARD SCHOOL **(DONE FEBRUARY 04)**

BAYSIDE STREET – NORTH END FROM DRAINAGE DITCH TO OCEAN 12” RCP **(DONE 3/23/04)**

ROGERS SCHOOL DRAIN FROM BASIN AT UNION AND CHESTNUT TO DRAIN MANHOLE AT SOUTH STREET IN SCHOOL YARD **(DONE 4 / 26/ 04)**

GROVE AND GOLF INTERSECTION TO BAY STREET.....**(JET RODDED ON 6/2/04)**

WEEDEN ROAD TWIN 15” PIPES, 30” RCP, AND TWIN 12” RCP ON BABBITT STREET – **(JET RODDED ON 6/2/04)**

GROVE AND GOLF INTERSECTION AFTER ONE SECTION OF PIPE WAS REPLACED **(OK 8/04)**

END OF HACKER STREET TO HARBOR **(8/04 ALL FLOWING)**

SPRING STREET FROM GREEN HEADING WEST TO CB INTO CUSHMAN PARK **(8/04 – ALL FLOWING)**

BRIDGE STREET FROM ADAMS STREET TO JEFFERSON STREET (8/04 ALL FLOWING)

FORT STREET 15" CLAY FROM FARMFIELD ST TO OUTFALL BASINS OPP REYNOLDS DRIVE (DONE 8/04)

LINDEN AVENUE FROM CASTLE AVE HEADING EAST TO ELM AVE CULVERT (8/04 ALL CLEAR)

LAURA LANE AT END OF CULDESAC – CATCH BASIN TO OUTFALL – 12" RCP (DONE 11/30/04)

SPRING STREET – HOLCOMB TO HOMESTEAD – 12" CLAY DONE 12/04

BAY AND HATHAWAY TWO 2 CROSS PIPES- 8" CORRUGATED DONE 12/3/04

BRIDGE STREET – ADAMS TO JEFFERSON – 12" CLAY DONE 12/04

ADAMS STREET – CHRISTIAN TO BRIDGE – 8" CLAY DONE 12/04

BRIDGE STREET – MAIN TO MIDDLE – 12" DI DONE 1/11/05

BRIDGE STREET – JEFFERSON TO MULBERRY – 12" CLAY DONE 2/16/05

LINDEN AVENUE – FROM FRANCIS EAST TO CULVERT 12" CLAY DONE 2/16/05

LINDEN AVENUE @ FRANCIS ST- FROM BASIN AT NW CORNER TO BASIN AT NE CORNER 8" CMP DONE 2/16/05

PIPE AT LANDFILL TO DRAIN POND BEHIND FAIRHAVEN LUMBER DONE 3/14/05

PARKER STREET – FROM BASIN OPPOSITE FAIRLAWN AVENUE INTO LIVESY PARK DONE 3/14/05

HAMLET STREET – 6" CLAY DRAIN FROM BASIN ON STEVEN STREET NORTHERLY TO HOUSE # 29 DONE 3/17/05

SYCAMORE STREET – CROSSINGS AT HOWLAND ROAD, DEANE STREET, MORTON STREET, WINSOR STREET, AND MAGNOLIA STREET. DONE 3/17/05

BROWN AT HOPKINS – CROSS 10" DI, AND 12" CMP DONE 3/17/05

BRIDGE ST JUST EAST OF GREEN ST -8" CMP DONE 3/21/05

**MAIN STREET EAST SIDE IN FRONT OF THE ACADEMY BUILDING -10" CI
DONE 3/21/05**

**WILDING STREET BETWEEN BURGESS AVENUE AND HOULE ST - 10" CLAY
2 RUNS AND 12" RCP DONE 3/21/05**

**HOWLAND ROAD BETWEEN HOPKINS AND CENTRAL AVE - 12" RCP, 8"
CMP, 12" DI DONE 3/21/05**

**HOWLAND ROAD 8" CMP CROSS PIPE BETWEEN PARKER AND HOPKINS
DONE 3/21/05**

**ADAMS STREET - CHRISTIAN STREET TO BRIDGE STREET - 8" CLAY DONE
3/28/05**

**HAMLET STREET - FROM HILL STREET TO SLABTOP IN DRIVEWAY ON
BABBITT STREET - ALL PIPES DONE 3/28/05**

**SYCAMORE STREET- AT DEANE STREET ALL CROSSINGS AND PIPE IN
SIDEWALK WEST SIDE OF SYCAMORE STREET HEADING NORTH - DONE
3/28/05**

**BAYSIDE AVENUE - 12" RCP FROM HEADWALL TO OUTFALL HEADING
WEST - DONE 3/28/05**

**MAYFLOWER STREET - ALL DRAIN LINES JET RODDED AND GREEN STREET
FROM MAYFLOWER HEADING NORTH - DONE 3/30/05**

LINDEN AVENUE AT MAIN STREET BASINS TO MANHOLE - DONE 4/4/05

**MAIN STREET EAST SIDE NEAR HIGH SCHOOL BASIN TO MANHOLE - DONE
4/4/05**

**BROWN AT HOULE BASINS TO CULVERT - CULVERT NEEDS BUCKET
MACHINE**

**BRIDGE STREET AT WEST END MANHOLE TO HARBOR - JET RODDED BUT
NEED TO MOVE BOULDER OUT OF THE WAY OF OUTFALL PIPE**

**BUCKET MACHINE FOR PIPE ON BRIDGE STREET - FROM MAIN ST TO
MIDDLE ST**

WASHINGTON ST AT RTE 6 – CROSS PIPE AND TO MANHOLE ON RTE 6 –
DONE 4/4/05

SPRING STREET – ROGERS HEADING WEST – STILL NOT THROUGH – TRY
ONE MORE - **DIG**

HACKER STREET –LAST TWO RUNS AT END OF STREET – **DONE 4/8/05**

BASIN IN FRONT OF #208 JET ROD AND 270 BOTH PIPES – SCONTICUT NECK
ROAD – **DONE 1/19/07**

#330 SCONTICUT NECK ROAD – JET ROD BASIN TO MH

SCONTICUT NECK ROAD 10” CONCRETE PIPE OPPOSITE WOOD SCHOOL –
DONE 5/6/05

12” RCP NORTH OF THE LIVESY CLUB DRAINAGE EASEMENT FROM DITCH
ON BOTH SIDE OF HOPKINS STREET **DONE 5/6/05**

CHURCH STREET AT FORT STREET 10” CLAY – **DONE 5/9/05**

8” CMP ON BRIDGE ST, JUST EAST OF GREEN STREET – **DONE 5/9/05**

12” RCP ON FRANCIS ST, BETWEEN ELM AVE AND MASSASOIT AVE – **DONE
5/9/05**

LINDEN AT FRANCIS 12” CLAY TO ELM AVE CULVERT – **DONE 8/30/05**

12” CLAY SPRING STREET, BETWEEN HOMESTEAD AND HOLCOMB ST
DONE – 8/30/05

10” CMP ON MARGUERITE STREET NEAR PUMP STATION @ DITCH **DONE
8/31/05**

SCHOOL STREET @ MIDDLE SCHOOL BIKE PATH CROSSING DONE FORM
ONE END – DO FROM CVS SIDE!!!!!!

12” RCP WASHINGTON ST BASIN TO DMH NORTH SIDE LOW POINT – **DONE
8/31/05**

OPP 38 GROVE STREET – 6” CMP **DONE 8/31/05**

EAST END OF HATHAWAY STREET NORTH SIDE OF STREET 8" CMP – DONE 8/31/05

10" TIE INS TO CBS ON SCOTICUT NECK ROAD AT RESERVATION AND BERNSE STREETS - DONE 8/31/05

12" DRAIN CVS LOT TO MIDDLE SCHOOL CB IN PARKING LOT GOT 75' THEN BLOCKED 10/13/05

ROSEANNE DRIVE – 15" RCP INTO YARD DONE 10/13/05 NEED TO CAMERA THEN REPAIR

52 ASH STREET DONE 10/13/05

LINDEN AND FRANCIS CATCH BASIN TO ELM AVE CULVERT 12" CLAY DRAIN DONE 10/18/05

BROWN STREET FROM HOULE STREET TO SPRUCE STREET 8" CLAY – DONE 10/18/05

FROM BASIN ON BABBITT STREET TO WEEDEN ROAD TWIN 12", WEEDEN ROAD FROM BABBITT STREET SOUTHERLY TO DRAINAGE DITCH 30" RCP, TWIN 15" RCP, AND 18" RCP – DONE 10/18/05

LINDEN AT FRANCIS 12" CLAY INTO ELM AVENUE CULVERT – DONE 10/26/05

END OF LAURA LANE 12" RCP AT END OF CUL DE SAC DONE 10/26/05 (TREE ROOTS)

COWEN STREET 8" CLAY BETWEEN MAIN AND MIDDLE DONE 10/26/05 CLEAN

NORTHEAST CORNER OF MAIN AND BRIDGE – 10" DI WESTERLY ACROSS MAIN STREET DONE 10/26/05

SYLVIA STREET FROM RTE 6 TO BIRCH STREET – 12" RCP – GOT 2 RUNS OPENED UP, LAST RUN FROM BIRCH STREET HEADING SOUTH NEEDS TO BE JET RODDED 10/ 27/05

HAMLET STREET FROM BABBITT STREET TO HILL STREET DONE 11/23/05

EDDY STREET – AT DEAD END – 12" RCP FROM LAST CATCH BASIN HEADING EAST TO NEXT CATCH BASIN DONE 11/28/05

**BLOSSOM STREET FROM HILL STREET HEADING SOUTH TO CATCH BASINS
AT HOUSE #4 8" CLAY DONE 11/28/05**

HOWLAND ROAD BETWEEN HOULE AND HOPKINS DONE 11/30/05

**POINT STREET FROM BONNEY STREET TO ROCKLAND ST – 12" RCP DONE
11/30/05**

**WEEDEN ROAD AT BABBITT – FROM BABBITT STREET SOUTH DONE
11/30/05**

**CHERRY STREET BETWEEN NORTH STREET AND COOKE STREET – 8" CMP
DONE 11/30/05**

**BRIARCLIFFE RD ON SCOTICUT NECK ROAD HEADING SOUTH – 10" RCP –
DONE 12/1/05**

**HAMLET STREET BETWEEN RTE 6 AND BABBITT ST – ALL PIPES – DONE
12/2/05**

CROSS PIPE AT HOUSE #171 GREEN STREET – DONE 1/13/05

**BRIDGE STREET AT HOUSE # 40 TOWARD HOUSE #39 – DONE 1/13/05 /
COULD NOT GET BEYOND 145' - CAMERA LINE**

**DRAIN LINES ON HAMLET STREET BETWEEN HILL STREET AND BABBITT
STREET – DONE 1/19/06**

BRIDGE STREET AT HOUSE # 305 – DONE 1/19/06

**EVERGREEN STREET AT SOUTH END – SLABTOP TO DRAINAGE DITCH AT
BIKE PATH – DONE 1/23/06**

**BRIDGE STREET – 10" CLAY AND 10" CAST IRON FROM NORTH SIDE OF
BRIDGE STREET INTO CUSHMAN PARK – OPPOSITE PARK AVENUE – DONE
1/23/06**

**HACKER STREET AT THE WEST END BOTH RUNS AT THE BOTTOM OF THE
STREET – DONE 1/24/06**

**SYLVIA STREET – FROM BIRCH STREET SOUTHERLY TO NEXT BASIN –
DONE 1/26/06**

HOLCOMB STREET – 10” RCP FROM SLABTOP ON SPRING STREET
NORTHERLY TO NEXT BASIN – **DONE 1/26/06**

JESSE STREET FROM HOUSE #23 TO MAIN STREET – **DONE 1/26/06**

12” CMP THROUGH LIVESY PARK – **DONE 2/7/06**

12” RCP HOWLAND ROAD FROM HOPKINS STREET EASTERLY – **DONE 2/7/06**

10” CLAY - FARMFIELD AT GREEN STREET SW CORNER BASIN TO
MANHOLE - **DONE 2/7/06**

6” PVC PIPE AT SHAW ROAD BALLFIELD – **DONE 3/31/06**

171 NEW BOSTON ROAD – PIPE BLOCKED WITH SAND – **DONE 5/16/06**

1ST BASIN EAST OF #47 GOULART MEMORIAL DRIVE (SOUTH SIDE) ?????

END OF DAY STREET – BASIN ON LEFT SIDE NOT FLOWING - MUCK OUT –
MUCKED OUT AND FLOWING 5/11/06

SLABTOP IN FRONT OF 59 HOWLAND ROAD – **DONE 5/1/06**

RTE 6 AT NEW BOSTON – STATE – **DONE 5/16/06**

WEEDEN ROAD AT BABBITT STREET – **DONE 5/23/06 WITH BUCKETS –
CLEAR NOW**

HOWLAND ROAD – 2 CROSSPIPES 8” CMP BETWEEN HOPKINS AND HOULE
ST – **DONE 5/15/06**

LAURA LANE AT THE END OF THE CUL DE SAC – 12” RCP FROM BASIN TO
MANHOLE AND FROM MANHOLE TO OUTFALL – **DONE 5/15/06**

HATHAWAY STREET AT BAY STREET – TWIN 8” CMP – **DONE 5/15/06**

PARKER STREET FROM FAIRLAWN STREET HEADING SOUTH TO CATCH
BASIN AT DRAINAGE DITCH – **DONE 5/15/06**

EAST END OF OXFORD STREET – SOUTH SIDE IN GUTTER LINE 6”PVC INTO
WOODS – **DONE 6/6/06**

SPRING STREET FROM HOMESTEAD STREET TO ROGERS STREET – TWO DRAIN LINE REPAIRS THEN JET ROD 10” CLAY AND 8” CLAY – DONE 6/6/06 NEEDED BUCKETS

SPRING STREET OUTFALL AT MCGANN TERRACE – DONE 6/7/06

MANOR DRIVE AT CULVERT CROSSING (GRASS CLIPPINGS BLOCKING PIPE – DONE 6/7/06

HAMLET STREET – BETWEEN ROUTE 6 AND BABBITT STREET – DONE 6/7/06

JEANETTE STREET – LOW POINT BASIN MOUTH COVERED WITH TARP – DONE 6/7/06

SYLVIA STREET FROM HOUSE #14 TOWARD RTE 6 – BLOCKAGE MARKED – BUCKETS AND JET RODDING - BEER CANS – DONE 6/13/06 (3 DAYS)

PARKER STREET – FROM FROM FAIRLAWN STREET SOUTH TO CB AT DRAINAGE DITCH – DONE 6/7/06

END OF HACKER STREET – DONE 6/15/06

BONNEY STREET FROM POINT STREET HEADING EASTERLY TO SET OF SLABTOPS – DONE 7/5/06

HILL STREET AT BROOK DRIVE – 12” RCP – DONE 7/6/06

NORTH STREET TO JARVIS AVENUE – 12” RCP – DONE 7/6/06

HILL STREET FROM HILL TO HAMLET – DONE 7/11/06

CUSHMAN AVENUE – 10” RCP CROSS DRAIN – DONE 9/21/06

82 COTTONWOOD STREET – CROSS STREET PIPE 4” – DONE 9/22/06

MAIN STREET JUST NORTH OF RTE 6 INTO CULVERT – DONE 9/22/06

SCONTICUT NECK ROAD – 10” RCP - FROM SECOND MANHOLE SOUTH OF BRIARCLIFFE HEADING NORTH – DONE 11/27/06

BAYSIDE AVE – 12” RCP HEADING OUT TO BAY – DONE 11/27/06

SCONTICUT NECK ROAD – 10” RCP TWO MANHOLES SOUTH OF CAMEL STREET – ALL FLOWING – DONE 1/19/07

MIDDLE SCHOOL CB TO CVS – **DONE 1/19/07**

PLEASANT STREET – RODMAN ST TO WASHINGTON ST – **DONE 1/19/07**

BASIN IN FRONT OF #20 BLOSSOM STREET – GOT 20' ACROSS THEN NOOZLE
GOT STUCK – DIG

INTERSECTION OF LINDEN AND FRANCIS – NE CORNER JET RODDED –
DONE 2/14/07

8" CLAY AT ROAD CROSSING #20 BLOSSOM STREET – **DONE 3/14/07**

HAMLET STREET BETWEEN HILL ST AND BABBITT ST – 10" CLAY – **DONE
3/15/05**

BLOSSOM ST – FROM HILL STREET HEADING SOUTH TO BASIN AT HOUSE
#5 – 8" CLAY – **DONE 3/15/07**

STREET SWEEPING

DATE	#OF LOAD	3 CY/LOAD	RUNNING TOTAL CY
5/15/2002	4	12	12
5/20/2002	2	6	18
5/24/2002	1	3	21
5/30/2002	1	3	24
5/31/2002	2	6	30
6/5/2002	2	6	36
6/6/2002	3	9	45
6/7/2002	1	3	48
6/10/2002	1	3	51
6/18/2002	1	3	54
6/19/2002	1	3	57
6/21/2002	1	3	60
6/28/2002	2	6	66
7/1/2002	1	3	69
7/2/2002	1	3	72
7/8/2002	1	3	75
7/10/2002	3	9	84
7/11/2002	2	6	90
7/12/2002	2	6	96
7/15/2002	1	3	99
7/16/2002	3	9	108
7/17/2002	3	9	117
7/18/2002	3	9	126
7/19/2002	2	6	132
7/22/2002	3	9	141
7/23/2002	3	9	150
7/24/2002	3	9	159
7/25/2002	3	9	168
7/26/2002	2	6	174
8/5/2002	2	6	180
8/7/2002	3	9	189
8/8/2002	3	9	198
8/9/2002	1	3	201
8/12/2002	2	6	207
8/14/2002	1.5	4.5	211.5
8/15/2002	1	3	214.5
8/16/2002	1	3	217.5
8/20/2002	0.5	1.5	219
9/12/2002	2	6	225
9/20/2002	0.5	1.5	226.5
9/30/2002	2	6	232.5
10/1/2002	2	6	238.5
10/2/2002	3	9	247.5
10/3/2002	3	9	256.5
10/4/2002	2	6	262.5

10/7/2002	3	9	271.5
10/8/2002	5	15	286.5
10/18/2002	2	6	292.5
10/28/2002	7	21	313.5
10/29/2002	3	9	322.5
10/30/2002	4	12	334.5
11/4/2002	4	12	346.5
11/8/2002	15	45	391.5
11/26/2002	1.5	4.5	396
12/17/2002	4	12	408
12/18/2002	4	12	420
12/19/2002	4	12	432
12/23/2002	2	6	438

2/4/2003	1	3	441
3/18/2003	4	12	453
3/19/2003	8	24	477
3/20/2003	7	21	498
3/21/2003	4	12	510
3/24/2003	6	18	538
3/25/2003	5	15	553
3/26/2003	5	15	568
3/27/2003	4	12	580
3/28/2003	4	12	592
3/31/2003	5	15	607
4/1/2003	5	15	622
4/2/2003	7	21	643
4/3/2003	8	24	667
4/4/2003	2	6	673
4/17/2003	4	12	685
4/18/2003	1	3	688
4/25/2003	1	3	691
4/28/2003	4	12	739
4/29/2003	4	12	751
4/30/2003	4	12	763
5/1/2003	5	15	778
5/2/2003	4	12	790
5/5/2003	5	15	805
5/6/2003	5	15	820
5/7/2003	4	12	832
5/8/2003	2	6	838
5/14/2003	3	9	847
5/15/2003	3	9	856
5/19/2003	2	6	862
5/21/2003	3	9	871
5/22/2003	2	6	877
5/29/2003	4	12	889
6/12/2003	4	12	901
6/17/2003	4	12	913
6/27/2003	4	12	925

7/1/2003	3	9	934
7/3/2003	1	3	937
7/10/2003	1	3	940
7/17/2003	1	3	943
7/25/2003	1	3	946
8/7/2003	1.3	3.9	949.9
8/15/2003	1	3	952.9
8/22/2003	1	3	955.9
8/25/2003	1	3	958.9
8/28/2003	2	6	964.9
9/5/2003	1	3	967.9
9/23/2003	4	12	979.9
10/27/2003	4	12	991.9
10/28/2003	3	9	1000.9
10/31/2003	7	21	1021.9
11/10/2003	8	24	1045.9
12/2/2003	7	21	1066.9

2/27/2004	3	9	1075.9
3/1/2004	5	15	1090.9
3/2/2004	5	15	1105.9
3/3/2004	4	12	1117.9
3/4/2004	4	12	1129.9
4/5/2004	6	18	1147.9
4/6/2004	7	21	1168.9
4/7/2004	4	12	1180.9
4/8/2004	6	18	1198.9
4/9/2004	3	9	1207.9
4/12/2004	3	9	1216.9
4/14/2004	1	3	1219.9
4/16/2004	5	15	1234.9
4/20/2004	5	15	1249.3
4/21/2004	4	12	1261.3
4/22/2004	3	9	1270.3
4/23/2004	2	6	1276.3
4/27/2004	4	12	1288.3
4/28/2004	3	9	1297.3
4/29/2004	4	12	1309.3
4/30/2004	3	9	1318.3
5/4/2004	2	6	1324.3
5/6/2004	1	3	1327.3
5/7/2004	3	9	1336.3
5/10/2004	5	15	1351.3
5/11/2004	5	15	1366.3
5/12/2004	5	15	1381.3
5/13/2004	4	12	1393.3
5/14/2004	3	9	1402.3
5/17/2004	4	12	1414.3
5/18/2004	4	12	1426.3
5/20/2004	1	3	1429.3

5/21/2004	5	15	1444.3
5/24/2004	5	15	1459.3
5/25/2004	5	15	1474.3
5/27/2004	3	9	1473.3
5/28/2004	2	6	1479.3
6/2/2004	7	21	1500.3
6/3/2004	6	18	1518.3
6/4/2004	4	12	1520.3
6/7/2004	3	9	1529.3
6/9/2004	4	12	1541.3
6/11/2004	4	12	1563.3
6/14/2004	4	12	1575.3
6/15/2004	3	9	1584.3
6/16/2004	4	12	1596.3
6/17/2004	6	18	1614.3
6/18/2004	4	12	1626.3
6/21/2004	4	12	1638.3
6/22/2004	3	9	1647.8
6/23/2004	6	18	1665.8
7/1/2004	2	6	1671.8
7/2/2004	1	3	1674.8
7/9/2004	2	6	1670.8
7/15/2004	2	6	1676.8
7/20/2004	3	9	1685.8
7/21/2004	5	15	1700.8
7/23/2004	3	9	1709.8
7/26/2004	4	12	1721.8
7/27/2004	3	9	1730.8
7/28/2004	4	12	1742.8
7/29/2004	4	12	1754.8
7/30/2004	3	9	1763.8
8/2/2004	3	9	1772.8
8/3/2004	4	12	1784.8
8/4/2004	2	6	1790.8
8/6/2004	3	9	1799.8
8/9/2004	1	3	1802.8
8/12/2004	3	9	1811.8
8/24/2004	4	12	1823.8
8/25/2004	4	12	1835.8
8/26/2004	2	6	1841.8
8/27/2004	3	9	1850.8
8/30/2004	4	12	1862.8
9/1/2003	3	9	1871.8
9/3/2004	2	6	1877.8
9/10/2004	2	6	1883.8
9/13/2004	3	9	1892.8
9/16/2004	4	12	1904.8
9/27/2004	4	12	1916.8
9/28/2004	4	12	1918.8
9/29/2004	1	3	1921.8
10/1/2004	1	3	1924.8

10/14/2004	3	9	1933.8
10/15/2004	3	9	1942.8
10/20/2004	3	9	1969.8
10/21/2004	4	12	1981.8
10/27/2004	2	6	1987.8
10/28/2004	2	6	1993.8
10/29/2004	1	3	1996.8
11/1/2004	6 LEAVES	18	2014.8
11/2/2004	5 " " "	15	2029.8
11/3/2004	5 " " "	15	2044.8
11/9/2004	8 " " "	24	2068.8
11/12/2004	1 " " "	3	2071.8
11/15/2004	9 " " "	27	2098.8
11/16/2004	15 " " "	45	2143.8
11/17/2004	6 " " "	18	2161.8
11/18/2004	5 " " "	15	2176.8
11/19/2004	3 " " "	9	2185.8
11/22/2004	12 " " "	36	2221.8
11/24/2004	13 " " "	39	2260.8
11/29/2004	5 " " "	15	2275.8
11/30/2004	7 " " "	21	2296.8
12/3/2004	6 " " "	18	2214.8
12/6/2004	4 " " "	12	2226.8
12/7/2004	2 " " "	6	2232.8
12/13/2004	5 " " "	15	2247.8
12/14/2004	4 " " "	12	2259.8
12/15/2004	4 " " "	12	2271.8
12/16/2004	4 " " "	12	2283.8
12/17/2004	4 " " "	12	2295.8
12/23/2004	1 " " "	3	2298.8

2/17/2005	6 SAND	18	2316.8
2/18/2005	2 SAND	6	2322.8
3/7/2005	3 SAND	9	2331.8
3/16/2005	5 SAND	15	2346.8
3/17/2005	6 SAND	18	2364.8
3/18/2005	6 SAND	18	2382.8
3/21/2005	6 SAND	18	2400.8
3/22/2005	6 SAND	18	2418.8
3/23/2005	6 SAND	18	2436.8
3/25/2005	2 SAND	6	2442.8
3/29/2005	4 SAND	12	2454.9
3/30/2005	5.5 SAND	16.5	2471.4
3/31/2005	4 SAND	12	2483.4
4/1/2005	4 SAND	12	2495.4
4/4/2005	4 SAND	12	2495.4
4/5/2005	4.5 SAND	13.5	2508.9
4/6/2005	4.5 SAND	13.5	2522.4
4/7/2005	4.5 SAND	13.5	2535.9
4/8/2005	3 SAND	9	2544.9

4/11/2005	4 SAND	12	2556.9
4/13/2005	3.5 SAND	10.5	2567.4
4/14/2005	4.5 SAND	13.5	2580.9
4/15/2005	4.5 SAND	13.5	2594.4
4/19/2005	4 SAND	12	2606.4
4/20/2005	3.5 SAND	10.5	2616.9
4/21/2005	5 SAND	15	2631.9
4/22/2005	5 SAND	15	2646.9
4/25/2005	3.5 SAND	10.5	2657.4
4/26/2005	3 SAND	9	2656.4
4/28/2005	3 SAND	9	2655.4
4/29/2005	1 SAND	3	2658.4
5/4/2005	4.5 SAND	13.5	2671.9
5/5/2005	4 SAND	12	2683.9
5/6/2005	4.5 SAND	13.5	2697.4
5/9/2005	4 SAND	12	2709.4
5/10/2005	3.5 SAND	10.5	2719.9
5/11/2005	4 SAND	12	2731.9
5/12/2005	4.5 SAND	13.5	2752.9
5/13/2005	7 SAND	21	2773.9
5/16/2005	6 SAND	18	2791.9
5/17/2005	4 SAND	12	2803.9
5/18/2005	3 SAND	9	2812.9
5/19/2005	1.5 SAND	4.5	2817.4
5/20/2005	4 SAND	12	2829.4
5/24/2005	1 SAND	3	2832.4
5/25/2005	1 SAND	3	2835.4
5/26/2005	3.5 SAND	10.5	2845.9
5/27/2005	4 SAND	12	2857.9
5/31/2005	5.5 SAND	16.5	2874.4
6/1/2005	5 SAND	15	2889.4
6/2/2005	4 SAND	12	2901.4
6/6/2005	3.5 SAND	10.5	2911.9
6/10/2005	2 SAND	6	2917.9
6/13/2005	3 SAND	9	2926.9
6/14/2005	3 SAND	9	2935.9
6/15/2005	4 SAND	12	2947.9
6/17/2005	4 SAND	12	2971.9
6/23/2005	1 SAND	3	2974.9
6/24/2005	4 SAND	12	2986.9
6/29/2005	1 SAND	3	2989.9
7/21/2005	4	12	3001.9
7/22/2005	2	6	3007.9
7/25/2005	2	6	3013.9
7/27/2005	2	6	3019.9
7/28/2005	1	3	3022.9
7/29/2005	1	3	3025.9
8/1/2005	3	9	3034.9
8/8/2005	4	12	3046.9
8/9/2005	4	12	3058.9
8/10/2005	2	6	3064.9

8/11/2005	3.5	10.5	3075.4
8/12/2005	3	9	3084.4
8/16/2005	0.5	1.5	3085.9
8/31/2005	2	6	3091.9
9/1/2005	1	3	3094.9
9/6/2005	2	6	3100.9
9/9/2005	1	3	3103.9
9/19/2005	0.5	1.5	3105.4
9/30/2005	1	3	3108.4
10/3/2005	1	3	3111.4
10/17/2005	1	3	3114.4
10/18/2005	2	6	3120.4
10/20/2005	1	3	3123.4
10/24/2005	8 LEAVES	24	3147.4
10/26/2005	10 LEAVES	30	3177.4
10/27/2005	5 LEAVES	15	3192.4
10/28/2005	3 LEAVES	9	4201.4
11/1/2005	9 LEAVES	27	4228.4
11/2/2005	2 LEAVES	6	4234.4
11/7/2005	2 LEAVES	6	4240.4
11/10/2005	5 LEAVES	15	4255.4
11/14/2005	10 LEAVES	30	4285.4
11/16/2005	4 LEAVES	12	4297.4
11/17/2005	8 LEAVES	24	4321.4
11/18/2005	6 LEAVES	18	4339.4
11/23/2005	3 LEAVES	9	4348.4
11/28/2005	3 LEAVES	9	4351.4
11/29/2005	2 LEAVES	6	4357.4
12/1/2005	3 LEAVES	9	4366.4
12/2/2005	5 LEAVES	15	4381.4
12/14/2005	4 SAND	12	4393.4
12/15/2005	4 SAND	12	4405.4
12/19/2005	5.5 SAND	16.5	4421.9
12/20/2005	3.5 SAND	10.5	4432.4
12/21/2005	2 SAND	6	4438.4
12/22/2005	3 SAND	9	4447.4
12/23/2005	1 SAND	3	4450.4
1/4/2006	4 SAND	12	4462.4
1/5/2006	5 SAND	15	4477.4
1/6/2006	4.5 SAND	13.5	4490.9
1/9/2006	5.5 SAND	16.5	4507.4
1/10/2006	6 SAND	18	4525.4
1/11/2006	6 SAND	18	4543.4
1/12/2006	5.5 SAND	16.5	4559.9
1/13/2006	6 SAND	18	4577.9
1/19/2006	3 SAND	9	4586.9
1/20/2006	3.5 SAND	10.5	4597.4
1/30/2006	4.5 SAND	13.5	4610.9
1/31/2006	4 SAND	12	4622.9
2/1/2006	4 SAND	12	4634.9
2/3/2006	3 SAND	9	4643.9

2/6/2006	3.5 SAND	10.5	4654.4
2/7/2006	3.5 SAND	10.5	4664.9
2/8/2006	4.5 SAND	13.5	4678.4
2/9/2006	3.5 SAND	10.5	4688.9
3/8/2006	3 SAND	9	4697.9
3/10/2006	4.5 SAND	13.5	4711.4
3/16/06 THRU 3/27/06	37 SAND	111	4822.4
3/28/2006	2 SAND	6	4828.4
3/31/2006	1 SAND	3	4831.4
4/3/2006	3 SAND	9	4840.4
4/5/2006	3 SAND	9	4849.4
4/6/2006	4 SAND	12	4861.4
4/7/2006	2 SAND	6	4867.4
4/13/2006	2 SAND	6	4873.4
4/18/2006	3 SAND	9	4882.4
4/19/2006	3 SAND	9	4891.4
4/24/2006	2 SAND	6	4897.4
4/25/2006	2 SAND	6	4903.4
4/28/2006	1.5 SAND	4.5	4907.9
5/1/2006	2 SAND	6	4913.9
5/4/2006	2.5 SAND	7.5	4921.4
5/5/2006	3 SAND	9	4930.4
5/10/2006	2 SAND	6	4936.4
5/11/2006	2 SAND	6	4942.4
5/12/2006	2 SAND	6	4948.4
5/17/2006	3 SAND	9	4957.4
5/18/2006	3 SAND	9	4966.4
5/19/2006	3 SAND	9	4975.4
5/22/2006	3 SAND	9	4984.4
5/23/2006	2 SAND	6	4990.4
5/26/2006	3 SAND	9	4999.4
6/5/2006	2 SAND	6	5005.4
6/13/2006	3 SAND	9	5014.4
6/14/2006	2 SAND	6	5020.4
6/15/2006	2 SAND	6	5026.4
6/16/2006	3 SAND	9	5035.4
6/21/2006	2 SAND	6	5041.4
6/22/2006	3 SAND	9	5050.4
6/23/2006	2 SAND	6	5056.4
6/30/2006	2.5 SAND	7.5	5063.9
7/21/2006	1.5 SAND	4.5	5068.4
7/25/2006	1.5 SAND	4.5	5072.9
7/28/2006	2 SAND	6	5078.9
8/1/2006	4 SAND	12	5084.9
8/2/2006	2 SAND	6	5090.9
8/3/2006	2 SAND	6	5096.9
8/4/2006	3 SAND	9	5105.9
8/7/2006	4 SAND	12	5117.9
8/8/2006	2 SAND	6	5123.9
8/9/2006	1 SAND	3	5126.9
8/10/2006	1 SAND	3	5129.9

8/11/2006	2 SAND	6	5135.9
8/17/2006	1 SAND	3	5138.9
9/1/2006	3 SAND	9	5147.9
9/7/2006	1 SAND	3	5150.9
9/13/2006	2.5 SAND	7.5	5158.4
9/14/2006	1.5 SAND	4.5	5162.9
9/18/2006	3 SAND	9	5171.9
9/19/2006	1 SAND	3	5174.9
9/20/2006	1 SAND	3	5177.9
9/21/2006	3 SAND	9	5186.9
9/25/2006	2 SAND	6	5192.9
9/26/2006	4 SAND	12	5204.9
9/28/2006	3 SAND	9	5213.9
10/4/2006	1 LEAVES	3	5216.9
10/5/2006	3 LEAVES	9	5225.9
10/6/2006	3.5 LEAVES	10.5	5236.4
10/11/2006	4 LEAVES	12	5248.4
10/12/2006	4 LEAVES	12	5260.4
10/13/2006	4 LEAVES	12	5272.4
10/16/2006	4 LEAVES	12	5284.4
10/17/2006	4 LEAVES	12	5296.4
10/18/2006	4 LEAVES	12	5308.4
10/23/2006	5 LEAVES	15	5323.4
10/25/2006	2.5 LEAVES	7.5	5330.9
10/26/2006	7 LEAVES	21	5350.9
10/27/2006	5 LEAVES	15	5365.9
10/30/2006	4 LEAVES	12	5377.9
10/31/2006	8 LEAVES	24	5401.9
11/1/2006	6 LEAVES	18	5419.9
11/2/2006	3 LEAVES	9	5428.9
11/3/2006	3.5 LEAVES	10.5	5439.4
11/6/2006	9 LEAVES	27	5466.4
11/7/2006	2 LEAVES	6	5472.4
11/9/2006	4 LEAVES	12	5484.4
11/13/2006	11 LEAVES	33	5517.4
11/14/2006	13 LEAVES	39	5556.4
11/15/2006	4 LEAVES	12	5568.4
11/16/2006	10 LEAVES	30	5598.4
11/20/2006	4 LEAVES	12	5610.4
11/21/2006	9 LEAVES	27	5637.4
11/22/2006	4 LEAVES	12	5649.4
11/27/2006	6.5 LEAVES	19.5	5668.9
11/28/2006	3 LEAVES	9	5671.9
11/29/2006	6 LEAVES	18	5689.9
12/1/2006	2 LEAVES	6	5695.9
12/5/2006	3 LEAVES	9	5704.9
12/7/2006	2 LEAVES	6	5710.9
12/11/2006	2 LEAVES	6	5716.9
12/12/2006	4 LEAVES	12	5728.9
12/13/2006	4 LEAVES	12	5740.9
12/15/2006	2 LEAVES	6	5746.9

12/21/2006	3 LEAVES	9	5755.9
12/22/2006	1 LEAVES	3	5758.9
12/27/2006	2 LEAVES	6	5764.9
12/28/2006	2 LEAVES	6	5770.9
1/2/2007	2 LEAVES	6	5776.9
1/3/2007	2 LEAVES	6	5782.9
1/4/2007	2 LEAVES	6	5788.9
1/5/2007	2 SAND	6	5794.9
1/9/2007	2 SAND	6	5800.9
1/10/2007	2 SAND	6	5806.9
1/11/2007	3 SAND	9	5815.9
1/12/2007	3 SAND	9	5824.9
1/16/2007	3 SAND	9	5833.9
3/9/2007	1 SAND	3	5836.9
3/12/2007	4 SAND	12	5848.9
3/13/2007	3.5 SAND	10.5	5859.9
3/28/2007	3.5 SAND	10.5	5880.9
3/29/2007	2.5 SAND	7.5	5888.4
3/30/2007	0.5 SAND	1.5	5889.9